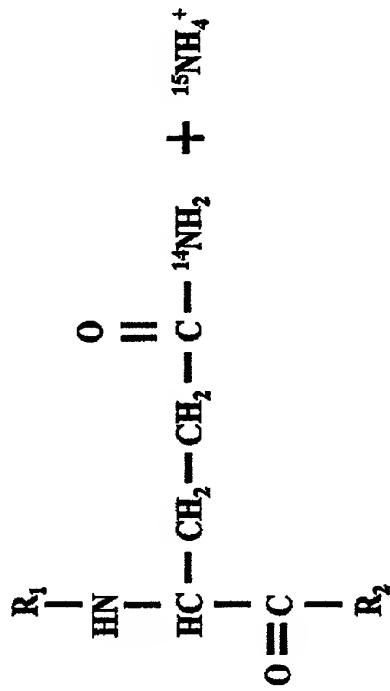


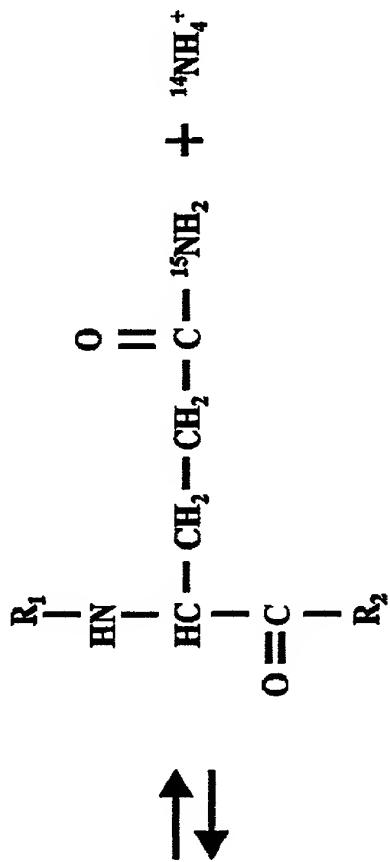
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FIG. 1

COMPOUNDS REPRESENTED BY
FORMULA (1)



COMPOUNDS REPRESENTED BY
FORMULA (2)



SCHEME FOR ^{15}N -LABELING OF CARBOXYAMIDE NITROGEN ATOM ON A GLUTAMINE RESIDUE

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FIG. 2a

CBZ-Gln-Gly
 ^1H -NMR

CBZ-Gln-Gly
HSQC

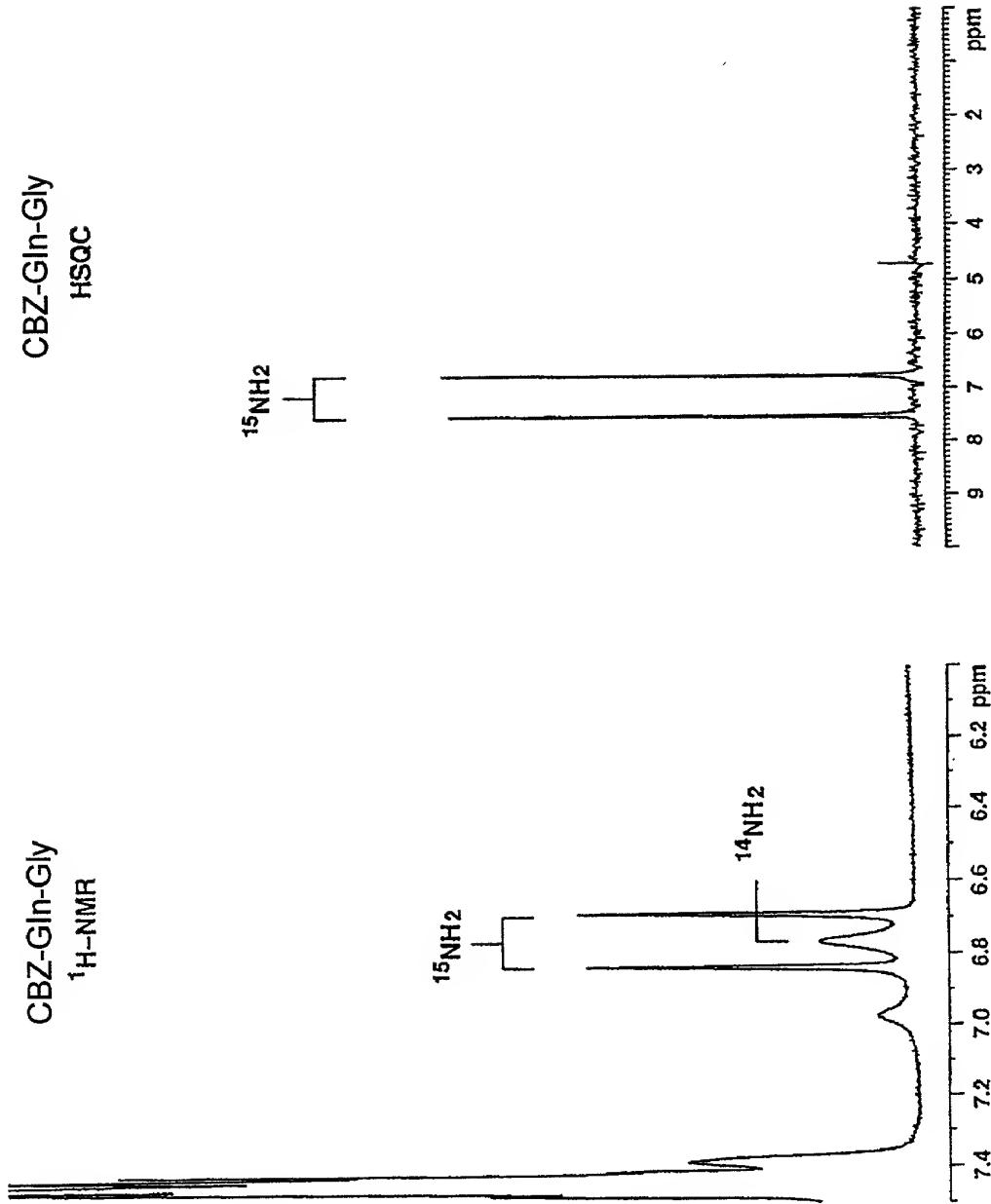
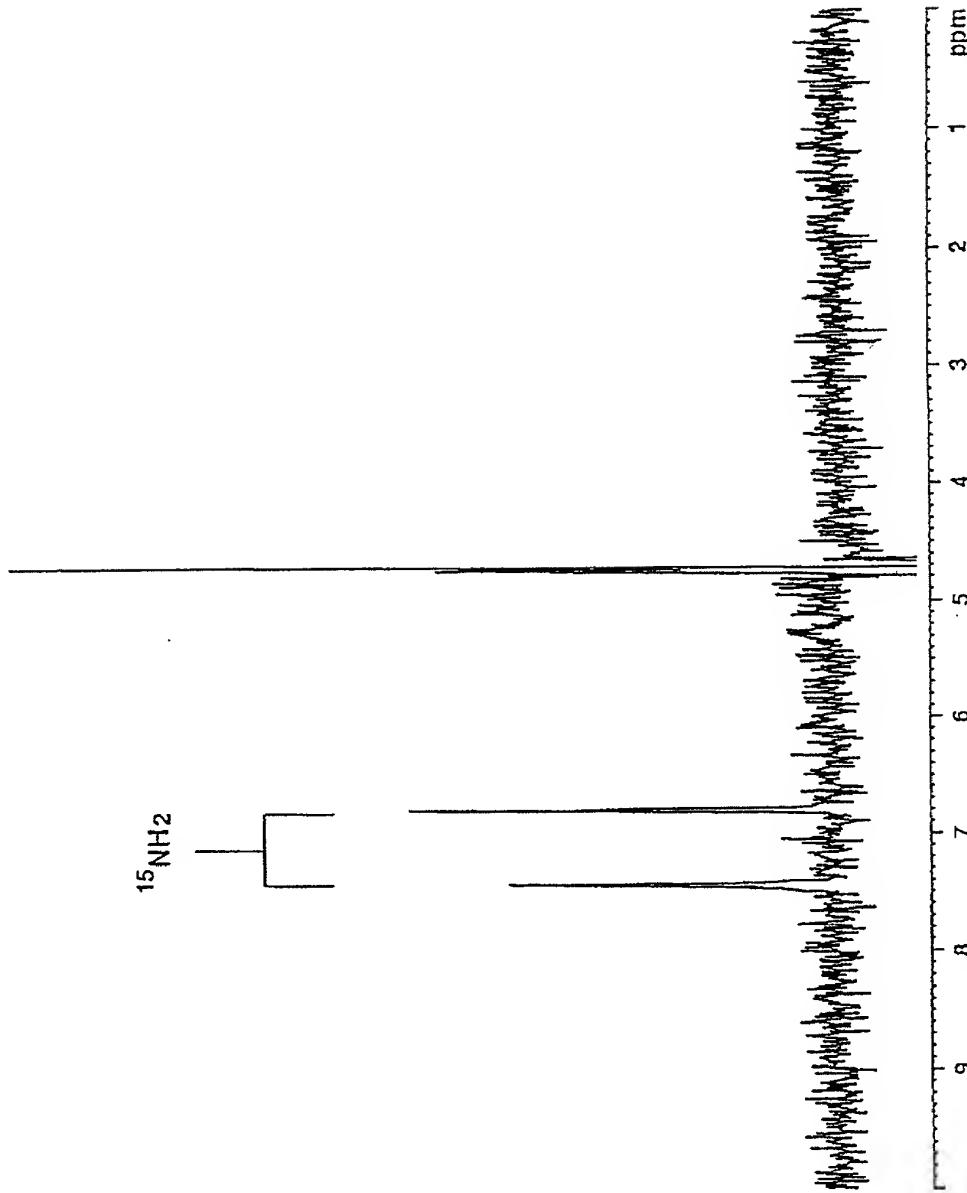


FIG. 2b

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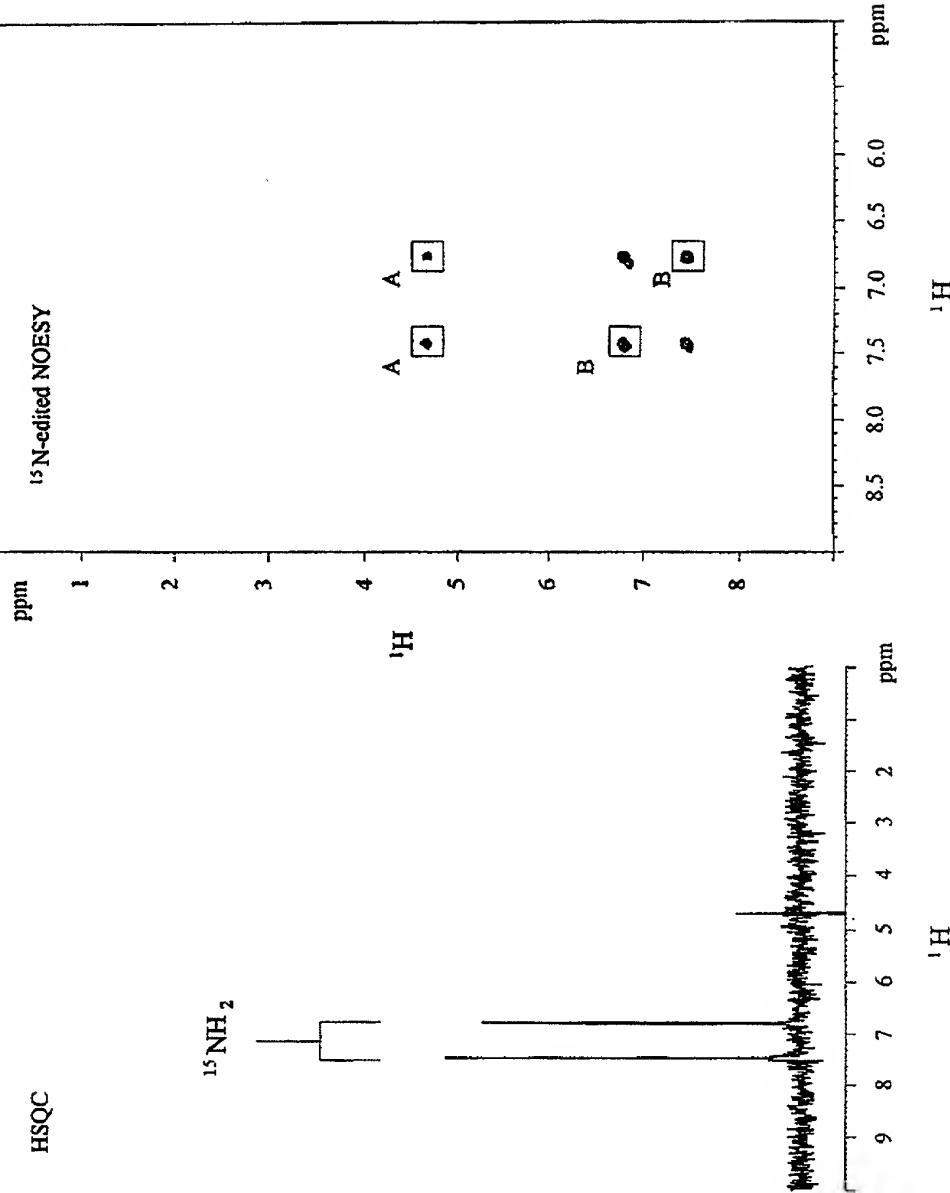
FIG. 3

HSQC SPECTRUM OF INSULINE B-CHAIN



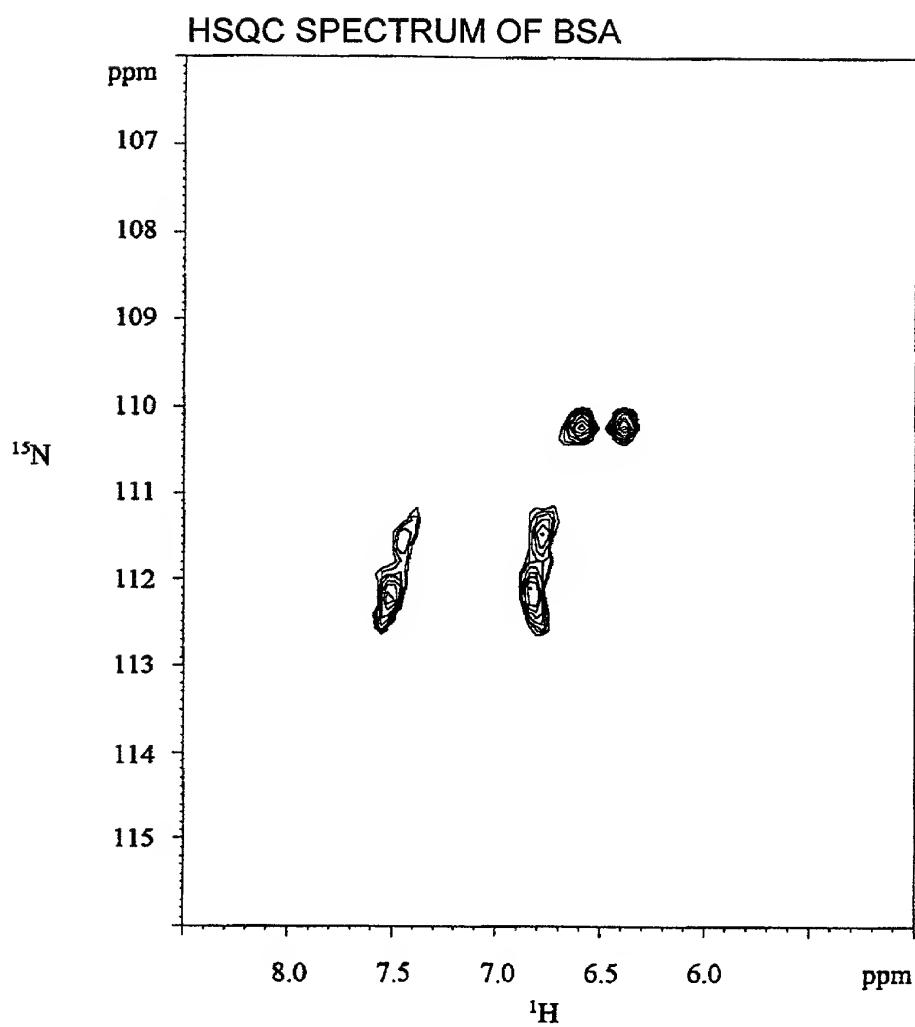
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INSULINE A-CHAIN



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FIG. 5



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FIG. 6a
 ^{15}N -LABELING BY MTG

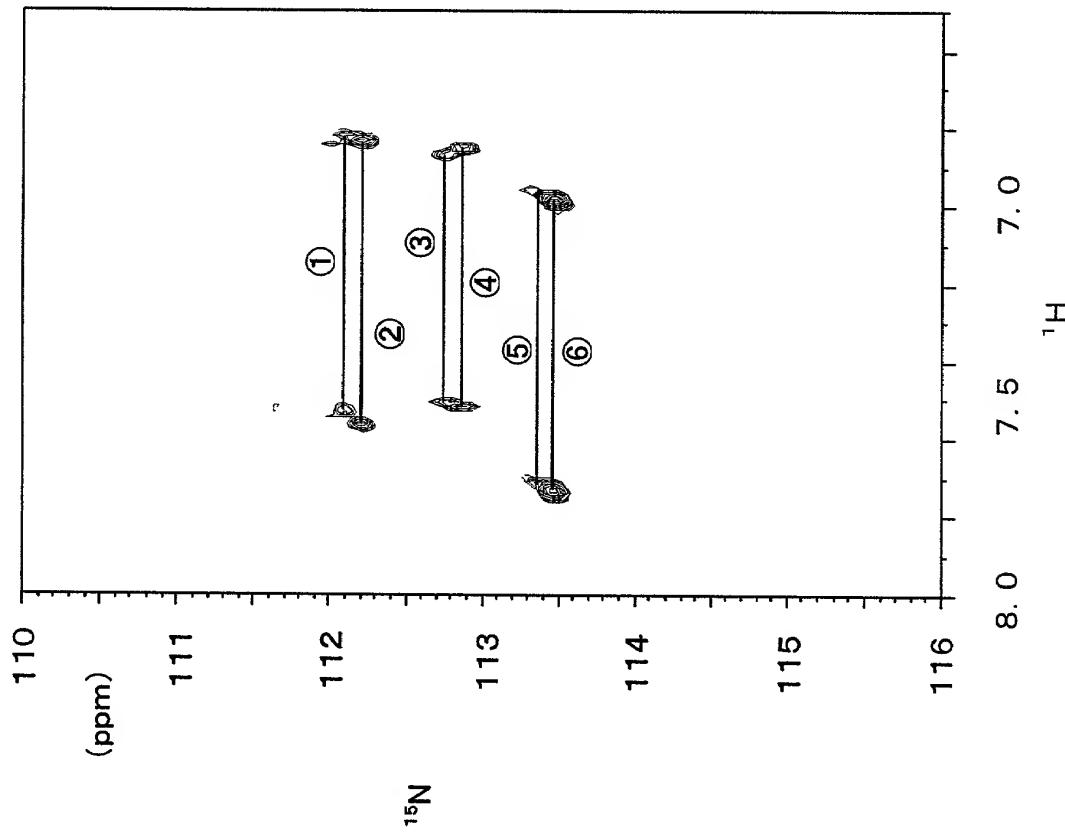
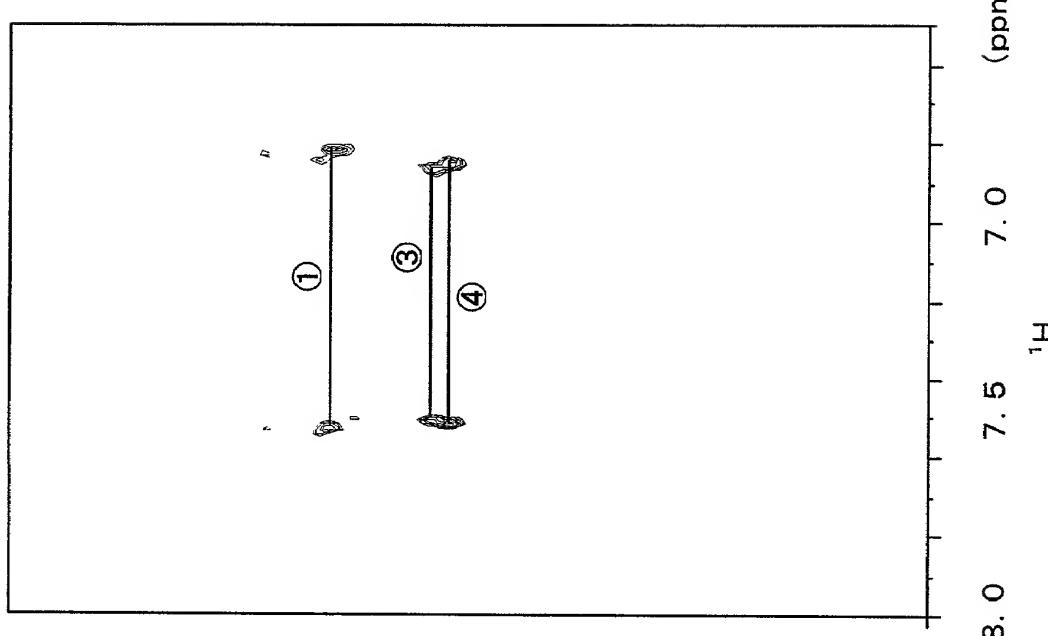


FIG. 6b
 ^{15}N -LABELING BY TRANSGLUTAMINASE
FROM GUINEA PIG



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FIG. 7

